

# 4-Phenylurazole

<b>Other names:</b>	1,2,4-Triazolidine-3,5-dione, 4-phenyl-4-Phenylurazol Bicarbamimide, N-phenyl-Urazole, 4-phenyl-4-phenyl-1,2,4-triazolidine-3,5-dione
<b>Inchi:</b>	InChI=1S/C8H7N3O2/c12-7-9-10-8(13)11(7)6-4-2-1-3-5-6/h1-5H,(H,9,12)(H,10,13)
<b>InchiKey:</b>	GOSUFRDROXZXLN-UHFFFAOYSA-N
<b>Formula:</b>	C8H7N3O2
<b>SMILES:</b>	O=c1[nH][nH]c(=O)n1-c1ccccc1
<b>Mol. weight [g/mol]:</b>	177.16
<b>CAS:</b>	15988-11-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.41		Crippen Method
logp	-1.110		Crippen Method
mcvol	122.040	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C15988111&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15988111&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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